

0590
1026

#2

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/975,308

DATE: 10/29/2001

TIME: 16:00:15

Input Set : A:\LEX-0252-USA SEQLIST.TXT

Output Set: N:\CRF3\10292001\I975308.raw

4 <110> APPLICANT: Friddle, Carl Johan
5 Hilbun, Erin
6 Gerhardt, Brenda
7 Mathur, Brian
8 Walke, D. Wade
9 Turner, C. Alexander Jr.
11 <120> TITLE OF INVENTION: Novel Human 7TM Proteins and Polynucleotides Encoding the
Same
14 <130> FILE REFERENCE: LEX-0252-USA
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/975,308 *ok*
C--> 16 <141> CURRENT FILING DATE: 2001-10-11
16 <150> PRIOR APPLICATION NUMBER: US 60/239,592
17 <151> PRIOR FILING DATE: 2000-10-11
19 <160> NUMBER OF SEQ ID NOS: 20
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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24 <211> LENGTH: 1017
25 <212> TYPE: DNA
26 <213> ORGANISM: homo sapiens
28 <400> SEQUENCE: 1
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30 acaaggatgt tctgtctttt ctgggtcctt ctcttggtcc tttctagact tttggtagtc 120
31 atgggtcgag gaaacagcac tgaagtgaact gaattccatc ttctgggatt tgggtgtccaa 180
32 cacgaatttc agcatgtcct ttctattgta cttcttctta tctatgtgac ctccctgata 240
33 ggaaatattg gaatgatctt actcatcaag accgattcca gacttcaaac acccatgtac 300
34 ttttttccac aacatttggc ttttggtgat atctgttata cttctgctat cactcccaag 360
35 atgctccaaa gcttcacaga agaaaataat ttgataacat ttcggggctg tgtgatacaa 420
36 ttcttagttt atgcaacatt tgcaaccagt gactgttacc tctagctat tatggcaatg 480
37 gattgttatg ttgccatctg taagcccctt cgtatccca tgatcatgtc ccaaacagtc 540
38 tacatccaac tcgtagctgg ctcatatatt ataggctcaa taaatgcctc tgtacataca 600
39 ggtttttacat tttcactgtc cttctgcaag tctaataaaa tcaatcactt tttctgtgat 660
40 ggtctcccaa ttcttgccct ttcattgtcc aacattgaca tcaacatcat tctagatgtt 720
41 gtctttgttg gatttgaact gatgttcaact gagttggtca tcatcttttc ctacatctac 780
42 attatggtca ccattcctgaa gatgtcttct actgctggga ggaaaaaatc cttctccaca 840
43 tgtgcctccc acctgacagc agtaaccatt ttctatggga cactctctta catgtactta 900
44 cagcctcagt ctaataattc tcaggagaat atgaaagtag cctctatatt ttatggcact 960
45 gttattccca tgttgaatcc tttaatctat agcttgagaa ataaggaagg aaaataa 1017
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48 <211> LENGTH: 338
49 <212> TYPE: PRT
50 <213> ORGANISM: homo sapiens
52 <400> SEQUENCE: 2
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55 Leu Gln Lys Val Thr Arg Met Phe Leu Leu Phe Trp Val Leu Leu Leu
56 20 25 30
57 Val Leu Ser Arg Leu Leu Val Val Met Gly Arg Gly Asn Ser Thr Glu
58 35 40 45

ENTERED

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59 Val Thr Glu Phe His Leu Leu Gly Phe Gly Val Gln His Glu Phe Gln
60      50                      55                      60
61 His Val Leu Phe Ile Val Leu Leu Leu Ile Tyr Val Thr Ser Leu Ile
62 65                      70                      75                      80
63 Gly Asn Ile Gly Met Ile Leu Leu Ile Lys Thr Asp Ser Arg Leu Gln
64                      85                      90                      95
65 Thr Pro Met Tyr Phe Phe Pro Gln His Leu Ala Phe Val Asp Ile Cys
66      100                      105                      110
67 Tyr Thr Ser Ala Ile Thr Pro Lys Met Leu Gln Ser Phe Thr Glu Glu
68      115                      120                      125
69 Asn Asn Leu Ile Thr Phe Arg Gly Cys Val Ile Gln Phe Leu Val Tyr
70      130                      135                      140
71 Ala Thr Phe Ala Thr Ser Asp Cys Tyr Leu Leu Ala Ile Met Ala Met
72 145                      150                      155                      160
73 Asp Cys Tyr Val Ala Ile Cys Lys Pro Leu Arg Tyr Pro Met Ile Met
74                      165                      170                      175
75 Ser Gln Thr Val Tyr Ile Gln Leu Val Ala Gly Ser Tyr Ile Ile Gly
76      180                      185                      190
77 Ser Ile Asn Ala Ser Val His Thr Gly Phe Thr Phe Ser Leu Ser Phe
78      195                      200                      205
79 Cys Lys Ser Asn Lys Ile Asn His Phe Phe Cys Asp Gly Leu Pro Ile
80      210                      215                      220
81 Leu Ala Leu Ser Cys Ser Asn Ile Asp Ile Asn Ile Ile Leu Asp Val
82 225                      230                      235                      240
83 Val Phe Val Gly Phe Asp Leu Met Phe Thr Glu Leu Val Ile Ile Phe
84      245                      250                      255
85 Ser Tyr Ile Tyr Ile Met Val Thr Ile Leu Lys Met Ser Ser Thr Ala
86      260                      265                      270
87 Gly Arg Lys Lys Ser Phe Ser Thr Cys Ala Ser His Leu Thr Ala Val
88      275                      280                      285
89 Thr Ile Phe Tyr Gly Thr Leu Ser Tyr Met Tyr Leu Gln Pro Gln Ser
90      290                      295                      300
91 Asn Asn Ser Gln Glu Asn Met Lys Val Ala Ser Ile Phe Tyr Gly Thr
92 305                      310                      315                      320
93 Val Ile Pro Met Leu Asn Pro Leu Ile Tyr Ser Leu Arg Asn Lys Glu
94      325                      330                      335
95 Gly Lys

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99 <210> SEQ ID NO: 3

100 <211> LENGTH: 897

101 <212> TYPE: DNA

102 <213> ORGANISM: homo sapiens

104 <400> SEQUENCE: 3

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106 cacgaatttc agcatgtcct ttccattgta cttcttctta tctatgtgac ctccctgata 120
107 ggaaatattg gaatgatctt actcatcaag accgattcca gacttcaaac acccatgtac 180
108 ttttttccac aacatttggc ttttgttgat atctgttata cttctgctat cactcccaag 240
109 atgctccaaa gcttcacaga agaaaataat ttgataacat ttoggggctg tgtgatacaa 300
110 ttcttagttt atgcaacatt tgaaccagt gactgttacc tctagctat tatggcaatg 360
111 gattgttatg ttgccatctg taagccctt cgctatocca tgatcatgtc ccaaacagtc 420

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DATE: 10/29/2001

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112 tacatccaac tcgtagctgg ctcatatatt ataggctcaa taaatgcctc tgtacataca 480
113 ggttttacat ttctactgtc cttctgcaag tctaataaaa tcaatcactt tttctgtgat 540
114 ggtctcccaa ttcttgccct ttcatgctcc aacattgaca tcaacatcat tctagatggt 600
115 gtcttttggt gatttgactt gatgttctact gagttggtca tcatcttttc ctacatctac 660
116 attatggtca ccatacctgaa gatgtcttct actgctggga ggaaaaaatc cttctccaca 720
117 tgtgcctccc acctgacagc agtaaccatt ttctatggga cactctctta catgtactta 780
118 cagcctcagt ctaataattc tcaggagaat atgaaagtag cctctatatt ttatggcact 840
119 gttattccca tgttgaatcc tttaatctat agcttgagaa ataaggaagg aaaataa 897
121 <210> SEQ ID NO: 4
122 <211> LENGTH: 298
123 <212> TYPE: PRT
124 <213> ORGANISM: homo sapiens
126 <400> SEQUENCE: 4
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129 Phe Gly Val Gln His Glu Phe Gln His Val Leu Phe Ile Val Leu Leu
130 20 25 30
131 Leu Ile Tyr Val Thr Ser Leu Ile Gly Asn Ile Gly Met Ile Leu Leu
132 35 40 45
133 Ile Lys Thr Asp Ser Arg Leu Gln Thr Pro Met Tyr Phe Phe Pro Gln
134 50 55 60
135 His Leu Ala Phe Val Asp Ile Cys Tyr Thr Ser Ala Ile Thr Pro Lys
136 65 70 75 80
137 Met Leu Gln Ser Phe Thr Glu Glu Asn Asn Leu Ile Thr Phe Arg Gly
138 85 90 95
139 Cys Val Ile Gln Phe Leu Val Tyr Ala Thr Phe Ala Thr Ser Asp Cys
140 100 105 110
141 Tyr Leu Leu Ala Ile Met Ala Met Asp Cys Tyr Val Ala Ile Cys Lys
142 115 120 125
143 Pro Leu Arg Tyr Pro Met Ile Met Ser Gln Thr Val Tyr Ile Gln Leu
144 130 135 140
145 Val Ala Gly Ser Tyr Ile Ile Gly Ser Ile Asn Ala Ser Val His Thr
146 145 150 155 160
147 Gly Phe Thr Phe Ser Leu Ser Phe Cys Lys Ser Asn Lys Ile Asn His
148 165 170 175
149 Phe Phe Cys Asp Gly Leu Pro Ile Leu Ala Leu Ser Cys Ser Asn Ile
150 180 185 190
151 Asp Ile Asn Ile Ile Leu Asp Val Val Phe Val Gly Phe Asp Leu Met
152 195 200 205
153 Phe Thr Glu Leu Val Ile Ile Phe Ser Tyr Ile Tyr Ile Met Val Thr
154 210 215 220
155 Ile Leu Lys Met Ser Ser Thr Ala Gly Arg Lys Lys Ser Phe Ser Thr
156 225 230 235 240
157 Cys Ala Ser His Leu Thr Ala Val Thr Ile Phe Tyr Gly Thr Leu Ser
158 245 250 255
159 Tyr Met Tyr Leu Gln Pro Gln Ser Asn Asn Ser Gln Glu Asn Met Lys
160 260 265 270
161 Val Ala Ser Ile Phe Tyr Gly Thr Val Ile Pro Met Leu Asn Pro Leu
162 275 280 285

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Input Set : A:\LEX-0252-USA SEQLIST.TXT

Output Set: N:\CRF3\10292001\I975308.raw

163 Ile Tyr Ser Leu Arg Asn Lys Glu Gly Lys

164 290 295

167 <210> SEQ ID NO: 5

168 <211> LENGTH: 951

169 <212> TYPE: DNA

170 <213> ORGANISM: homo sapiens

172 <400> SEQUENCE: 5

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174 cgaggaaaca gcaactgaagt gactgaattc catcttcttg gatttggtgt ccaacacgaa 120
175 tttcagcatg tccttttcat tgtacttctt cttatctatg tgacctccct gataggaaat 180
176 attggaatga tcttactcat caagaccgat tccagacttc aaacacccat gtactttttt 240
177 ccacaacatt tggcttttgt tgatatctgt tatacttctg ctatcactcc caagatgctc 300
178 caaagcttca cagaagaaaa taatttgata acatttcggg gctgtgtgat acaattctta 360
179 gtttatgcaa catttgcaac cagtgaactg tacctcctag ctattatggc aatggattgt 420
180 tatgttgcca tctgtaagcc ccttcgctat cccatgatca tgtcccaaac agtctacatc 480
181 caactcgtag ctggctcata tattataggg tcaataaatg cctctgtaca tacaggtttt 540
182 acattttcac tgccttctg caagtctaataaaaatcaatc actttttctg tgatgggtctc 600
183 ccaattcttg ccctttcatg ctccaacatt gacatcaaca tcattctaga tgttgtcttt 660
184 gtgggatttg acttgatgtt cactgagttg gtcacatctt ttctctacat ctacattatg 720
185 gtcaccatcc tgaagatgtc ttctactgct gggaggaaaa aatccttctc cacatgtgcc 780
186 tcccacctga cagcagtaac cattttctat gggacactct cttacatgta cttacagcct 840
187 cagtctaata attctcagga gaatatgaaa gtagcctcta tattttatgg cactgtttatt 900
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190 <210> SEQ ID NO: 6

191 <211> LENGTH: 316

192 <212> TYPE: PRT

193 <213> ORGANISM: homo sapiens

195 <400> SEQUENCE: 6

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197 1 5 10 15
198 Val Val Met Gly Arg Gly Asn Ser Thr Glu Val Thr Glu Phe His Leu
199 20 25 30
200 Leu Gly Phe Gly Val Gln His Glu Phe Gln His Val Leu Phe Ile Val
201 35 40 45
202 Leu Leu Leu Ile Tyr Val Thr Ser Leu Ile Gly Asn Ile Gly Met Ile
203 50 55 60
204 Leu Leu Ile Lys Thr Asp Ser Arg Leu Gln Thr Pro Met Tyr Phe Phe
205 65 70 75 80
206 Pro Gln His Leu Ala Phe Val Asp Ile Cys Tyr Thr Ser Ala Ile Thr
207 85 90 95
208 Pro Lys Met Leu Gln Ser Phe Thr Glu Glu Asn Asn Leu Ile Thr Phe
209 100 105 110
210 Arg Gly Cys Val Ile Gln Phe Leu Val Tyr Ala Thr Phe Ala Thr Ser
211 115 120 125
212 Asp Cys Tyr Leu Leu Ala Ile Met Ala Met Asp Cys Tyr Val Ala Ile
213 130 135 140
214 Cys Lys Pro Leu Arg Tyr Pro Met Ile Met Ser Gln Thr Val Tyr Ile
215 145 150 155 160
216 Gln Leu Val Ala Gly Ser Tyr Ile Ile Gly Ser Ile Asn Ala Ser Val

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Input Set : A:\LEX-0252-USA SEQLIST.TXT

Output Set: N:\CRF3\10292001\I975308.raw

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217                               165                               170                               175
218 His Thr Gly Phe Thr Phe Ser Leu Ser Phe Cys Lys Ser Asn Lys Ile
219                               180                               185                               190
220 Asn His Phe Phe Cys Asp Gly Leu Pro Ile Leu Ala Leu Ser Cys Ser
221                               195                               200                               205
222 Asn Ile Asp Ile Asn Ile Ile Leu Asp Val Val Phe Val Gly Phe Asp
223                               210                               215                               220
224 Leu Met Phe Thr Glu Leu Val Ile Ile Phe Ser Tyr Ile Tyr Ile Met
225 225                               230                               235                               240
226 Val Thr Ile Leu Lys Met Ser Ser Thr Ala Gly Arg Lys Lys Ser Phe
227                               245                               250                               255
228 Ser Thr Cys Ala Ser His Leu Thr Ala Val Thr Ile Phe Tyr Gly Thr
229                               260                               265                               270
230 Leu Ser Tyr Met Tyr Leu Gln Pro Gln Ser Asn Asn Ser Gln Glu Asn
231                               275                               280                               285
232 Met Lys Val Ala Ser Ile Phe Tyr Gly Thr Val Ile Pro Met Leu Asn
233                               290                               295                               300
234 Pro Leu Ile Tyr Ser Leu Arg Asn Lys Glu Gly Lys
235 305                               310                               315
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239 <211> LENGTH: 2600
240 <212> TYPE: DNA
241 <213> ORGANISM: homo sapiens
243 <400> SEQUENCE: 7
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245 taaggccatt tctcagacat ccattatata acagggttaa tatacttgta aagaatagca 120
246 cctagatgga agttgcattt taagaatact agtacaaga cactttgaag ccttcaaaaa 180
247 tatgtgaata tgaacatatt ttgggaaatt gctctccaat taattctact aatttcaaga 240
248 actagaaaga gaaataaaat aagtggctgt gaataattat gtttctaaaa aggtacagaa 300
249 ttactattta acgttattta gaataaatat aaataacctgt ttaatatagt gaaaaaatgc 360
250 ttctctatgt ttctaagaac cagcacatt agaagtcagt cttcttctaa gaaaatcttc 420
251 ttcattttga agataaatct gtttcatctt tcatctagta actctctctt tacttgatga 480
252 ttataaattt tttttaattt ggaaataaca ctattgtgag tatttgtcat gaaaagtcaa 540
253 attgaaaaaa gtgacttaaa atatagagcc attttattgc aaaaagtcac aaggatgttc 600
254 ctgcttttct gggctcttct cttggctcct tctagacttt tggtagtcat gggctcagga 660
255 aacagcactg aagtgactga attccatctt ctgggatttg gtgtccaaca cgaatttcag 720
256 catgtccttt tcattgtact tcttcttata tatgtgacct cctgatagg aaatattgga 780
257 atgatcttac tcatcaagac cgattccaga cttcaaacac ccatgtactt tttccacaa 840
258 catttggctt ttgttgatat ctgttatact tctgctatca ctccaagat gctccaaagc 900
259 ttacagaag aaaataattt gataacattt cggggctgtg tgatacaatt cttagtttat 960
260 gcaacatttg caaccagtga ctgttacctc ctactatata tggcaatgga ttgttatgtt 1020
261 gccatctgta agccctctcg ctatcccatg atcatgtccc aaacagtcta catccaactc 1080
262 gtagctggct catatattat aggtcaata aatgcctctg tacatacagg ttttacattt 1140
263 tcaactgtct tctgcaagtc taataaaatc aatcaacttt tctgtgatgg tctccaatt 1200
264 cttgcccttt catgtccaa cattgacatc aacatcattc tagatgttgt ctttgtggga 1260
265 ttgacttga tgttcaactga gttggtcatc atcttttctt acatctacat tatggtcacc 1320
266 atcctgaaga tgtcttctac tgctgggagg aaaaaatcct tctccacatg tgccctccac 1380
267 ctgacagcag taaccatttt ctatgggaca ctctcttaca tgtacttaca gcctcagctc 1440
268 aataattctc aggagaatat gaaagtagcc tctatatatt atggcactgt tattcccatg 1500

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VERIFICATION SUMMARY

DATE: 10/29/2001

PATENT APPLICATION: US/09/975,308

TIME: 16:00:16

Input Set : A:\LEX-0252-USA SEQLIST.TXT

Output Set: N:\CRF3\10292001\I975308.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date